



South Carolina Department of Health and Environmental Control

COVID - 19 Update & Outlook

Brannon Traxler, MD, MPH

Medical Officer

DHEC COVID19 Incident Command

August 24, 2020

Disclaimer

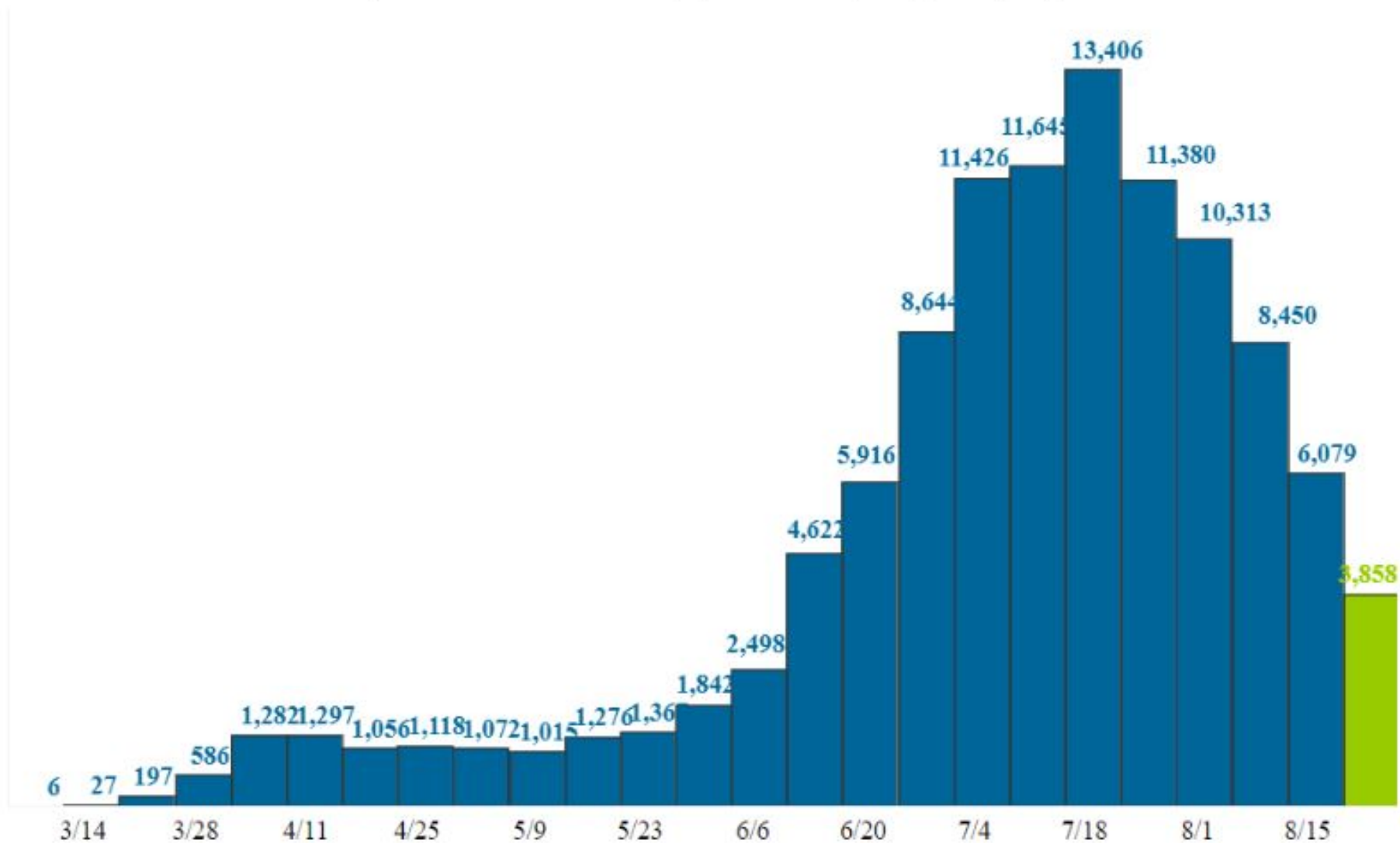
Our understanding of this new disease and of the situation continues to *rapidly evolve* .

All the information presented here is based on the most current available information and is *subject to change* as more becomes known.

Monitoring & Testing in S.C. (as of 8/23/20)

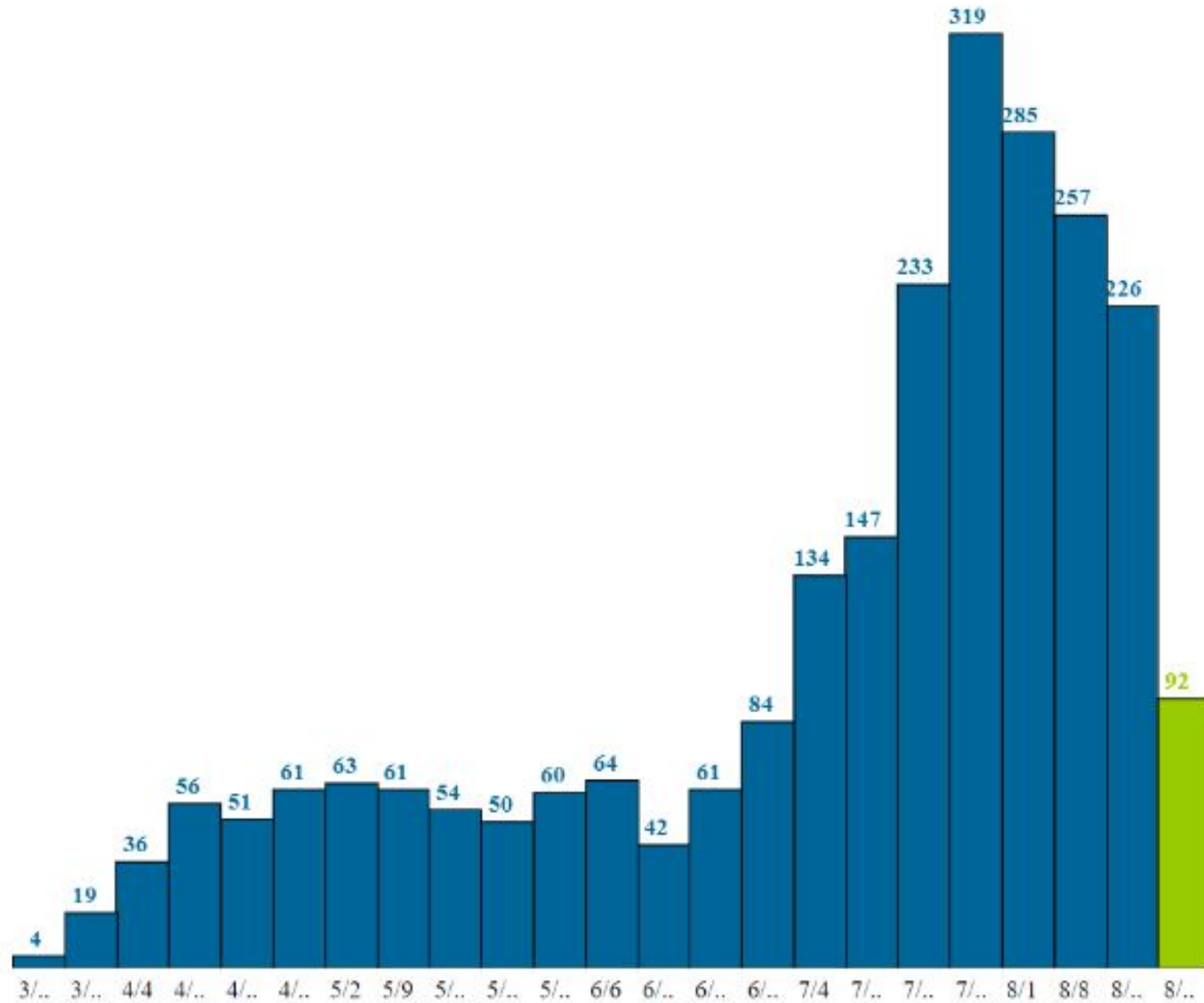
Total number of confirmed & probable cases		111,988
Total number of confirmed & probable deaths		2,504
Total number of tests performed, SC		954,442
Tests performed at DHEC		197,690
Patients currently hospitalized with COVID	-19	1,026

Reported COVID-19 Cases, by Week of Report (n=110,378)*



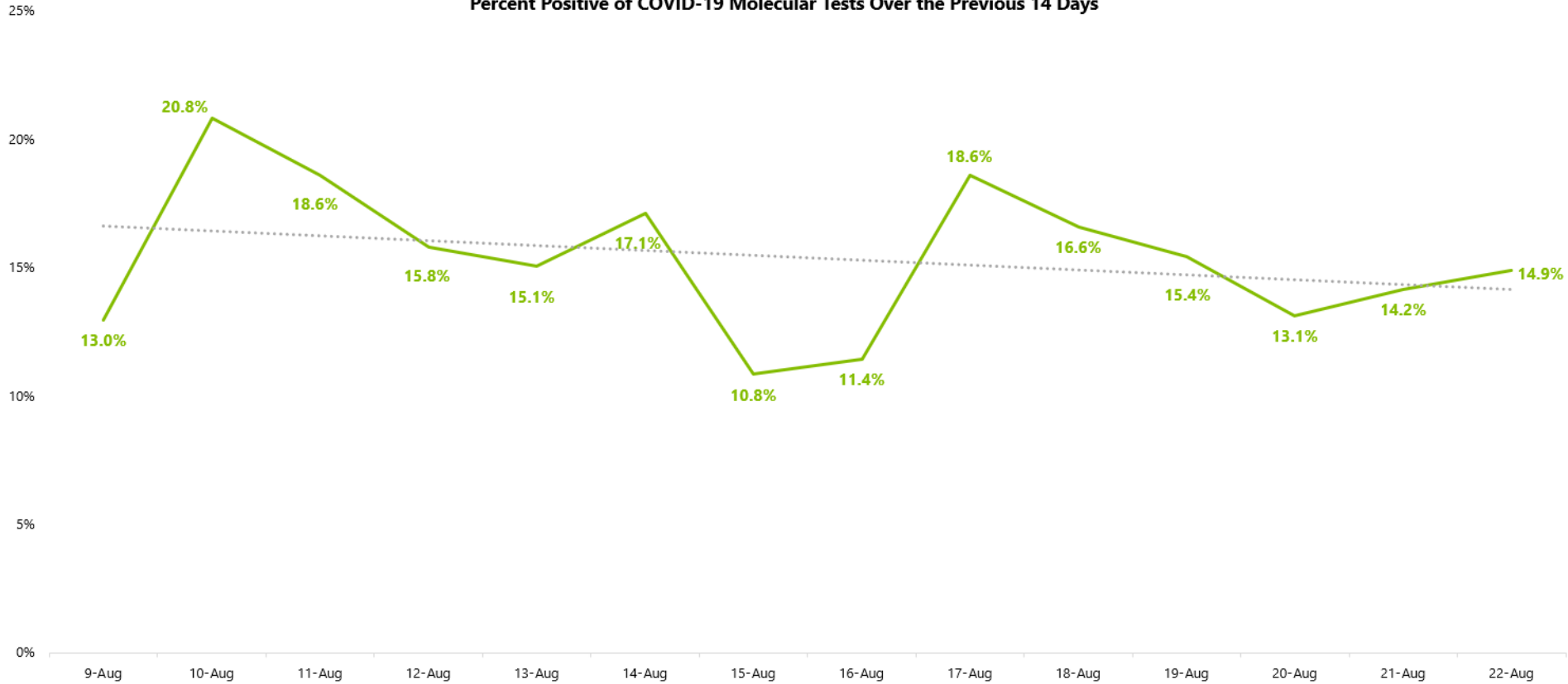
Note: Information presented are by week of report to DHEC. Data for the current week, highlighted in green, are not complete until the end of the identified reporting period. Comparison of disease activity by week should be made with caution.

Reported COVID-19 Deaths, by Week of Report (n=2,459)*

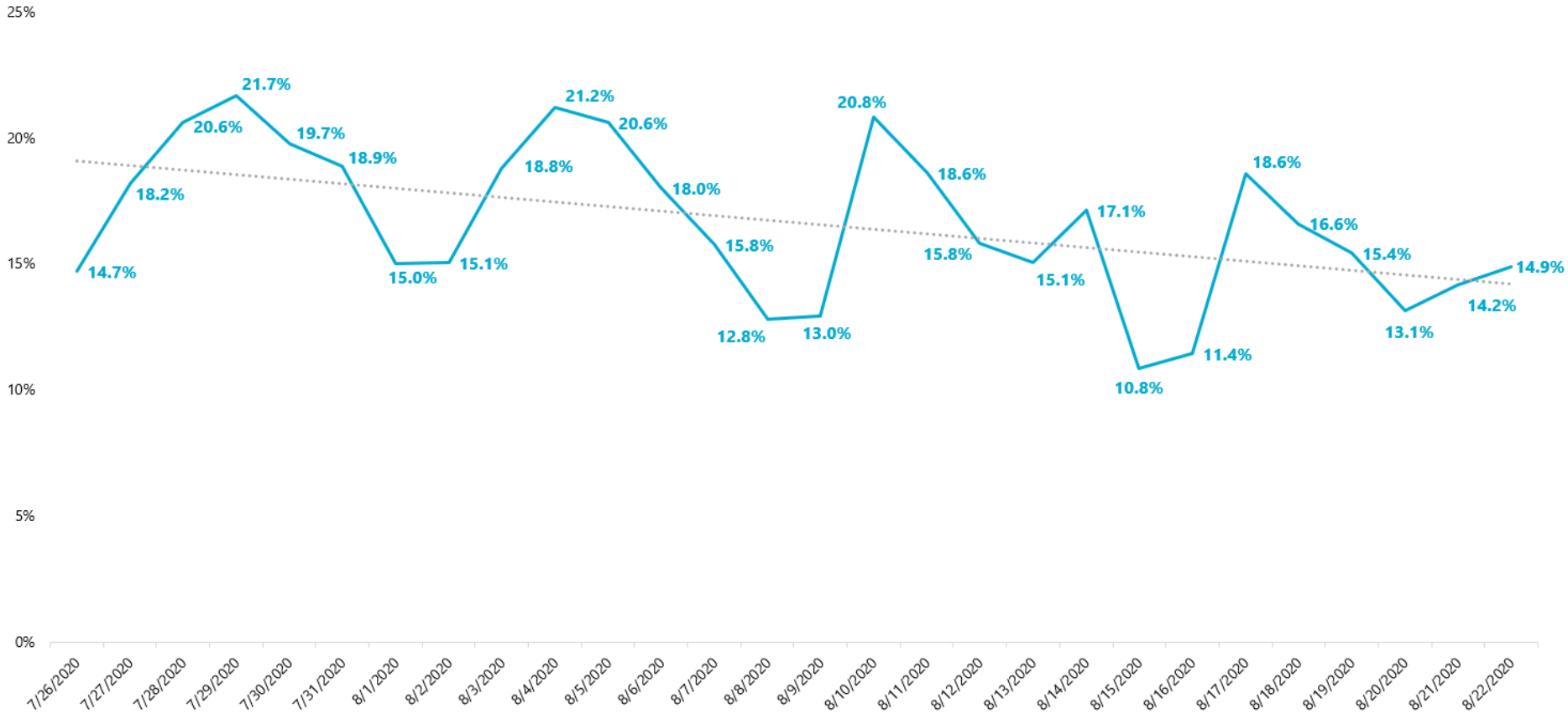


Note: Information presented are by week of report to DHEC. Data for the current week, highlighted in green, are not complete until the end of the identified reporting period. Comparison of disease activity by week should be made with caution.

Percent Positive of COVID-19 Molecular Tests Over the Previous 14 Days



Percent Positive of COVID-19 Molecular Tests Over the Previous 28 Days



DHEC Projections

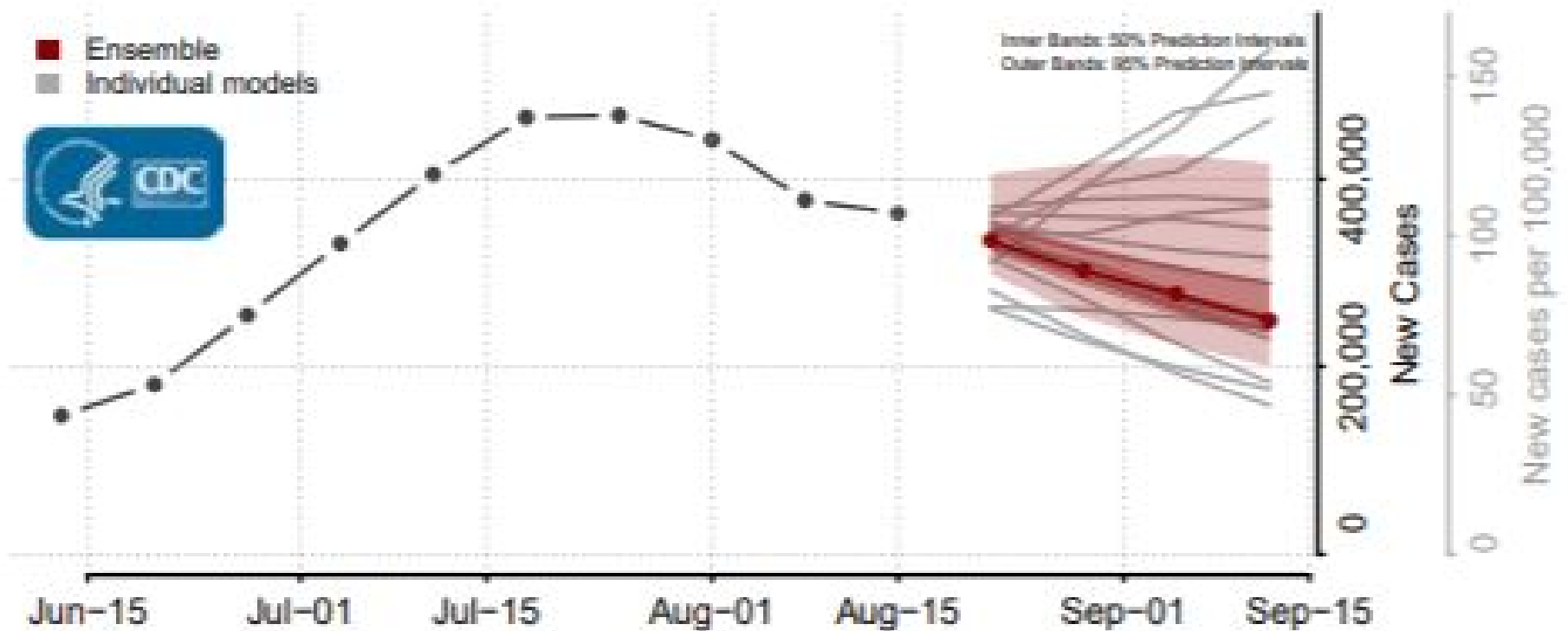
Table 1 Observed and Projected SC COVID-19 Cases by Week: March 1 to September 5

Week of	Cases	Cumulative Cases	Cumulative Case Rate / 100,000	Data Observed or Projected
March 1 – March 7	6	6	0	Observed
March 8 – March 14	27	33	1	Observed
March 15 – March 21	197	230	4	Observed
March 22 – March 28	586	816	16	Observed
March 29 – April 4	1,282	2,098	40	Observed
April 5 – April 11	1,296	3,394	65	Observed
April 12 – April 18	1,055	4,449	86	Observed
April 19 – April 25	1,118	5,567	107	Observed
April 26 – May 2	1,068	6,635	128	Observed
May 3 – May 9	1,015	7,650	147	Observed
May 10 – May 16	1,275	8,925	172	Observed
May 17 – May 23	1,362	10,287	198	Observed
May 24 – May 30	1,840	12,127	233	Observed
May 31 – June 6	2,489	14,616	281	Observed
June 7 – June 13	4,620	19,236	370	Observed
June 14 – June 20	5,877	25,113	483	Observed
June 21 – June 27	8,568	33,681	648	Observed
June 28 – July 4	11,374	45,055	866	Observed
July 5 – July 11	11,586	56,641	1,089	Observed
July 12 – July 18	15,159	71,800	1,381	Observed
July 19 – July 25	11,227	83,027	1,597	Observed
July 26 – August 1	10,140	93,167	1,792	Observed
August 2 – August 8	8,276	101,443	1,951	Observed
August 9 – August 15	5,873	107,316	2,064	Observed
August 16 – August 22	5,346	112,662	2,167	Projected
August 23 – August 29	3,909	116,571	2,242	Projected
August 30 – September 5	2,472	119,042	2,289	Projected

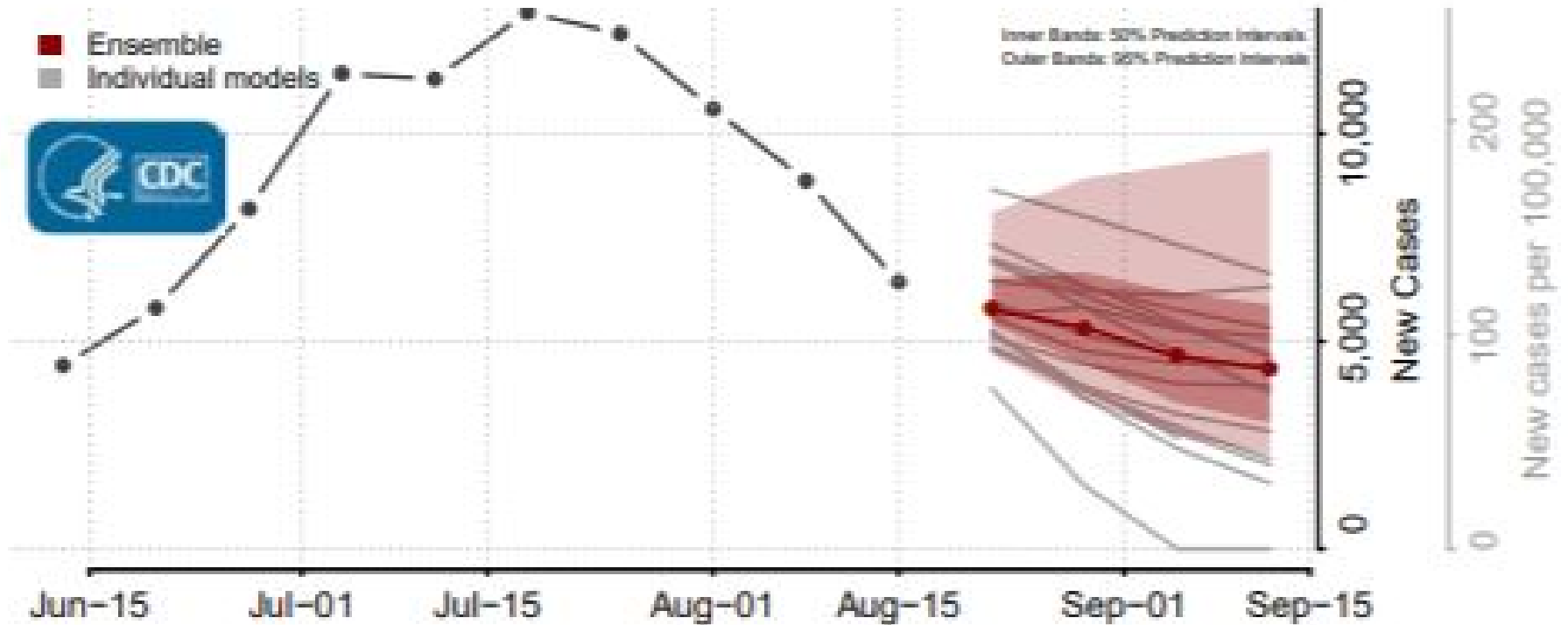
CDC Forecasts

- Predicts the number of new reported **cases** over the next **four weeks**
- Includes input from **25** modeling groups
- National forecast predicts a **decrease** over the next month
- South Carolina predicts a **decrease** over the next month

National



South Carolina



Institute for Health Metrics and Evaluation (IHME) at University of Washington

- To December 1, 2020
- Gives three projections:
 - Current
 - Mandates easing
 - Universal masks

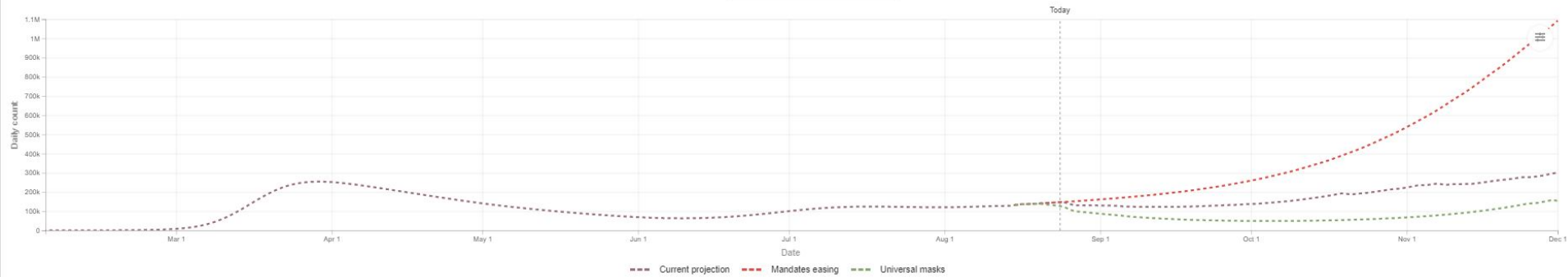
National

Daily infections and testing

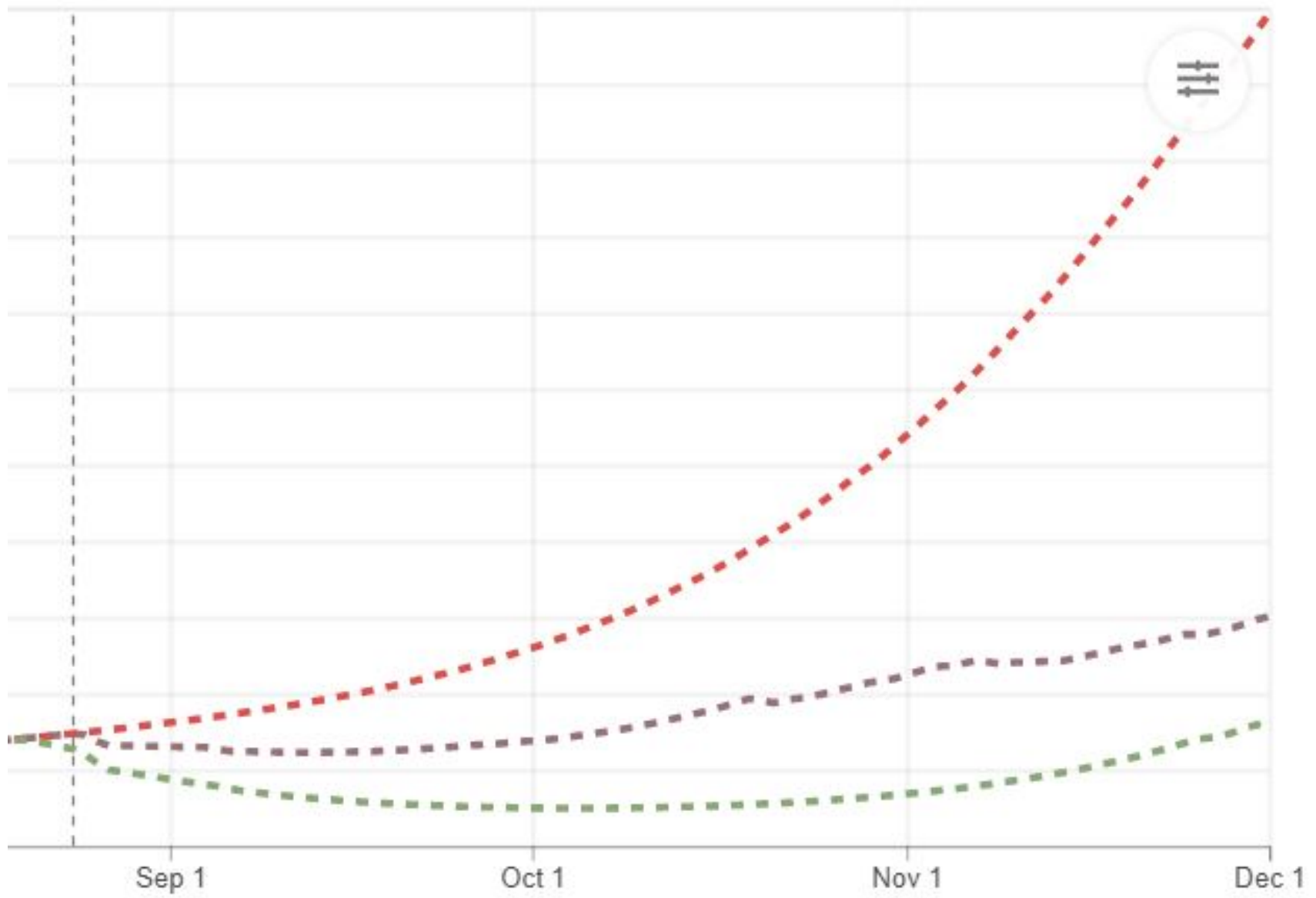
Estimated infections are the number of people we estimate are infected with COVID-19 each day, including those not tested.

Estimated infections Confirmed infections Tests

Scenario Projection Easing Masks



Today

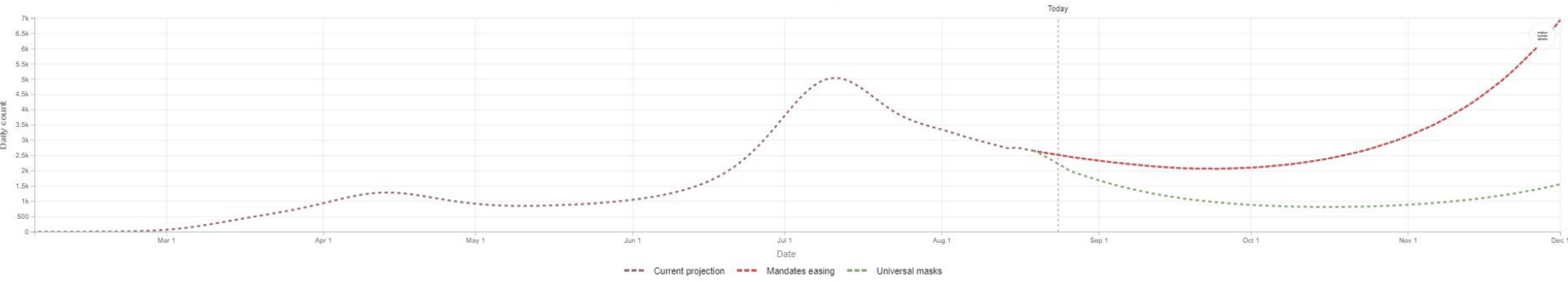


South Carolina

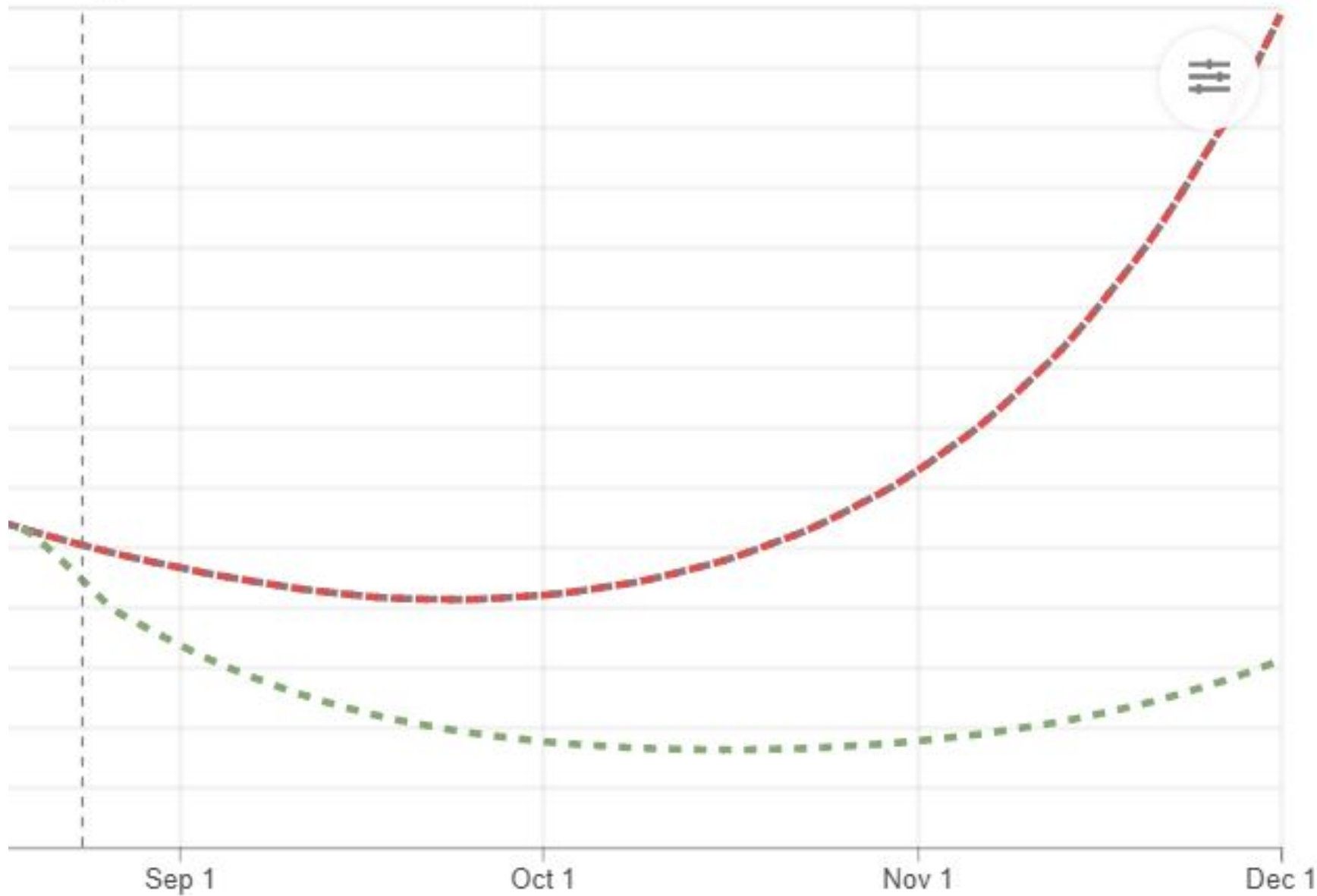
Daily infections and testing

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Scenario



Today



The Future of COVID - 19 Disease Activity

- Ongoing variable levels of disease spread with peaks and valleys
 - Duration and height of each wave unknown
- Impact of weather as seasons change unknown
- Affected by extent to which people follow social distancing and masking recommendations

Status of Vaccines

- Russian vaccine (Sputnik V) approved by their Ministry of Health on August 11
- Operation Warp Speed: US public -private partnerships
 - Funding Phase III trials for three vaccine candidates, from:
 - Moderna
 - University of Oxford/ AstraZeneca
 - Pfizer/ BioNTech

Long - Term Impact

- Social distancing and mask wearing, along with other preventative measures, will be present to some degree in our lives at least until a vaccine is approved and widely distributed and administered.

DHEC:

scdhec.gov/covid19

CDC Forecasting:

cdc.gov/coronavirus/2019-ncov/covid-data/mathematical-modeling.html

IHME:

covid19.healthdata.org/united-states-of-america/south-carolina